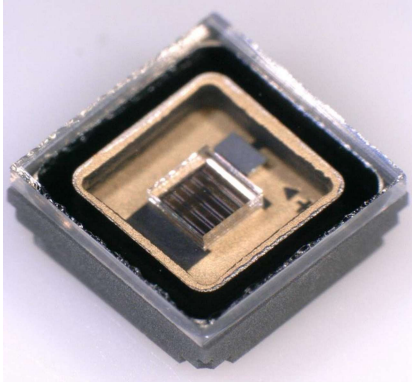
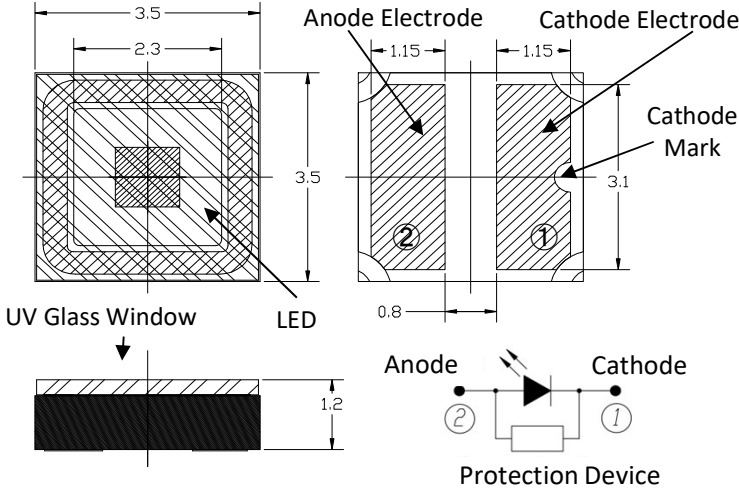




MODEL 310-FL-02-U05

3.5 x 3.5mm Metal Sealed SMD Flat Top Type

Mechanical Specifications and Materials (Unit: mm)



Typical Optical-Electrical Characteristics

($I_F=350\text{mA}$, $T_a=25^\circ\text{C}$)

Item	Symbol	Unit	310-FL-02-U05		
			Min	Typ	Max
Peak Wavelength(*)	λ_p	nm	305	310	315
Radiant Flux(**)	P_o	mW	36	50	-
Full Width at Half Maximum	$\Delta\lambda$	nm	-	15	20
Forward voltage	V_F	V	-	5.5	-
Viewing Half Angle	$2\theta_{1/2}$	deg.	-	120	-

(*)Peak Wavelength Measurement tolerance is $\pm 3\text{nm}$.

(**)Radiant Flux Measurement tolerance is $\pm 10\%$.

(***)Junction-ambient

Specification and dimension are subject to change for improvement without notice.

Binning is available.

WARNING

- LEDs emit very strong UV radiation.
- Do not look at the LED light with the naked eye or irradiate the skin.
UV radiation can harm your eyes and skin.
- To prevent UV radiation exposure, wear protective eyewear and protective equipment.
- If LEDs are embedded in devices, please indicate warning labels against the UV light LED used.
- Keep out of reach of children.

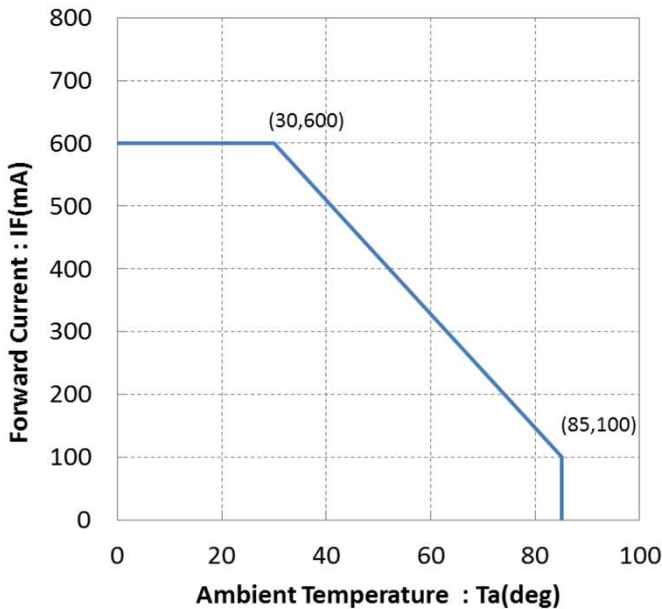
MODEL 310-FL-02-U05

3.5 x 3.5mm Metal Sealed SMD Flat Top Type

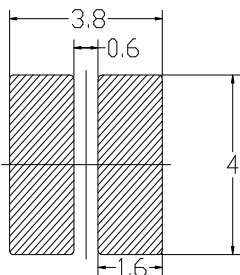
Absolute Maximum Ratings

Item	Symbol	Unit	Value
Forward Current	IF	mA	600
Junction Temperature	T _J	°C	100
Operating Temperature	T _{OPR}	°C	-30 ~ +85
Storage Temperature	T _{STR}	°C	-40 ~ +85 (No condensation)

Derating Curve

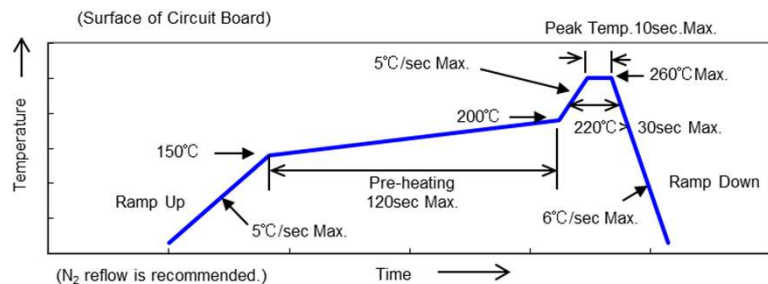


Recommended solder pad



Unit : mm

Reflow soldering profile



This soldering profile is according to JEDEC-J-STD-020D.

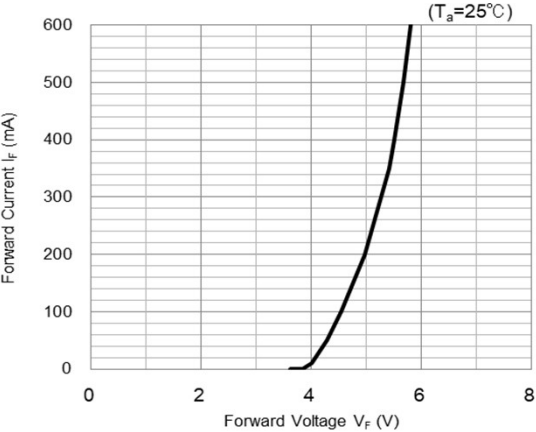


MODEL 310-FL-02-U05

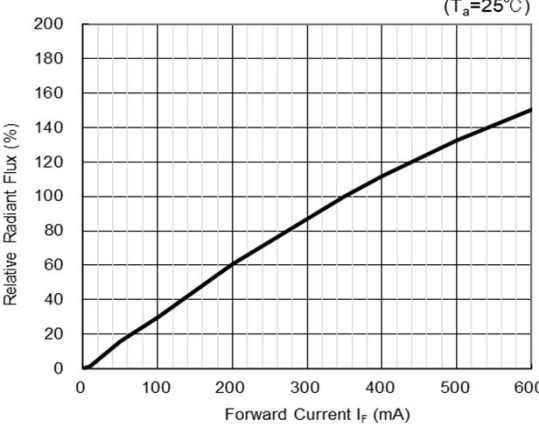
3.5 x 3.5mm Metal Sealed SMD Flat Top Type

Reference Data(1)

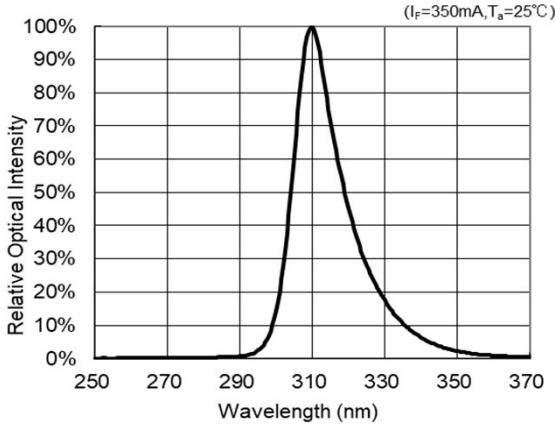
Forward Voltage vs Forward Current



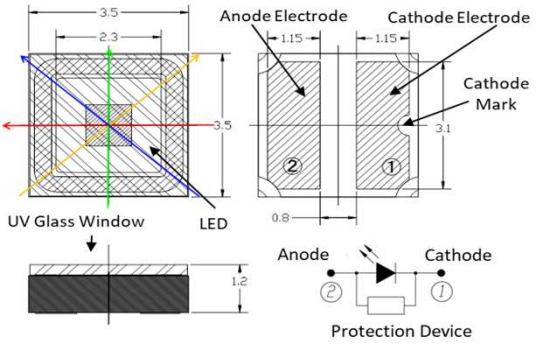
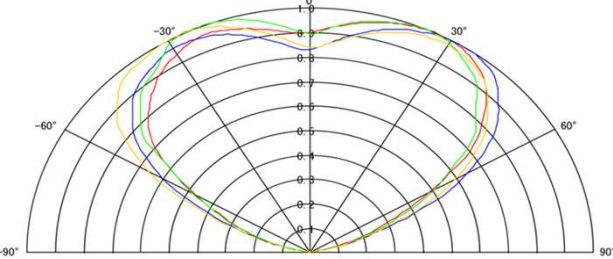
Forward Current vs Radiant Flux



Spectrum



Radiation Pattern



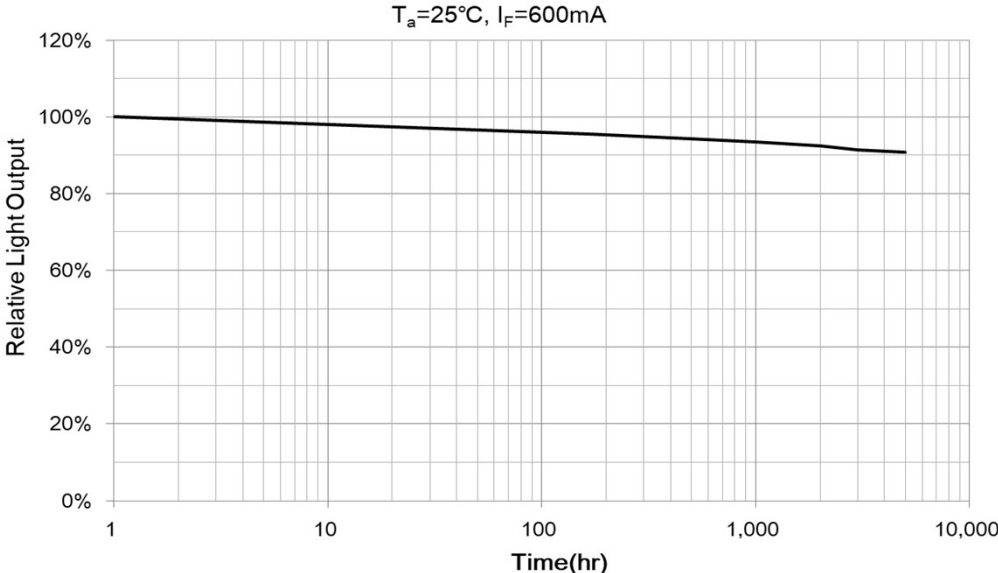
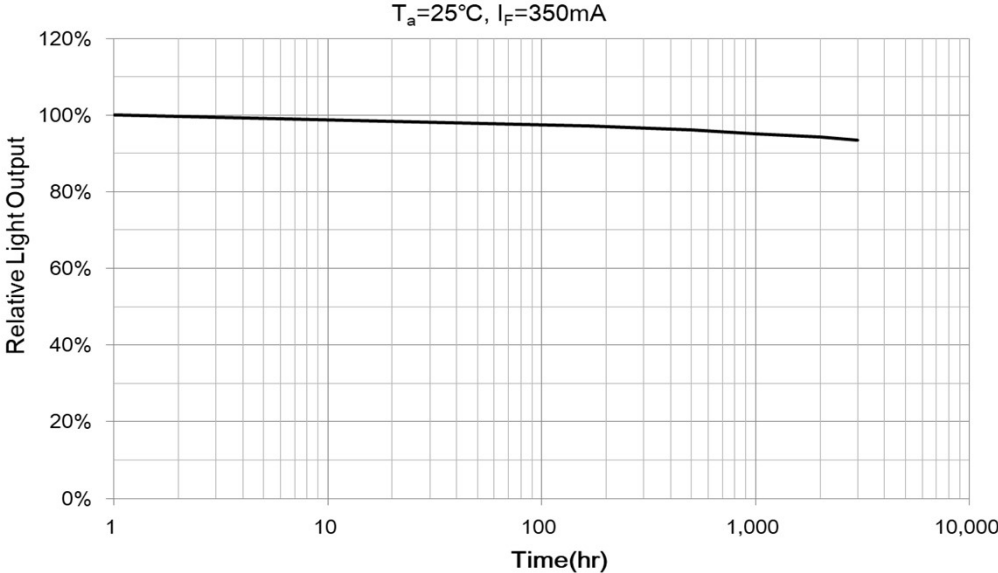


MODEL 310-FL-02-U05

3.5 x 3.5mm Metal Sealed SMD Flat Top Type

Reference Data(2)

Life Expectancy Data



These data as on the page 1 to 4 were determined with Al-substrate on a heat sink and fan.